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PTO/SB/08A (10-01)

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 3

Complete if Known

Application Number	09/990,099
Filing Date	November 21, 2001
First Named Inventor	Scott A. LESLEY
Group Art Unit	1636
Examiner Name	Daniel M. Sullivan
Attorney Docket Number	P0012US20

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. 1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
DA	AA	US-4,683,195	07-28-1987	Mullis et al.	
DA	AB	US- 4,683,202	07-28-1987	Mullis	
DA	AC	US- 4,754,065	08-28-1988	Levenson et al.	
DA	AD	US- 4,800,159	01-14-1989	Mullis et al.	
DA	AE	US- 5,685,232	12-17-1996	Farr	
DA	AF	US- 5,589,337	12-31-1996	Farr	
DA	AG	US- 5,827,885	10-27-1998	Undquist	
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. 1	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ³ - Number ⁴ - Kind Code ⁶ (if known)				
DA	AH	WO 95/00655	05-01-1995	McMaster Univ.		
DA	AI	WO 95/11984	04-05-1995	Canji, Inc.		
DA	AJ	WO 95/27071	12-10-1995	University of Texas		

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
DA	AK	BANEYX, "Recombinant protein expression in Escherichia coli," Current Opinion in Biotechnology 10: 411-421, 1999.Y	
DA	AL	BILLMAN-JACOB, "Expression in bacteria other than Escherichia coli," Current Opinion in Biotechnology 7: 500- 504, 1996.	

Examiner
Signature

DSullivan

Date
Considered

6/3/03

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³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of
the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the
document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Sheet 3 of 3

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Attorney Docket Number	P0012US20

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
DS	AX	NAYLOR et al., "Reporter gene technology: the future looks bright," Biochemical Pharmacology 58: 749-757, 1999.	
DS	AY	PARSELL et al., "Protein disaggregation mediated by heat-shock protein Hsp104," Nature 372: 475-478, 1994.	
DS	AZ	PARSELL et al., "Induction of a heat shock-like response by unfolded protein in Escherichia coli: dependence on protein level not protein degradation," Genes & Developments 3: 1226-1232, 1989.	
DS	BA	RICHMOND et al., "Genome-wide expression profiling in Escherichia coli K-12," Nucleic Acids Research 27: 3821-3835, 1999.	
DS	BB	ROSENTHAL, "Identification of regulatory elements of cloned genes with functional assays," Methods in Enzymology 152: 705-720, 1987.	
DS	BC	VALDIVIA et al., "Probing bacterial gene expression within host cells," Trends in Microbiology 5: 380-363, 1997.	
DS	BD	WEICKERT et al., "Optimization of heterologous protein production in Escherichia coli," Current Opinion in Biotechnology 7: 494-499, 1996.	
DS	BE	WOOD, "Marker proteins for gene expression," Current Opinion in Biotechnology 6: 50-58, 1995.	

Examiner Signature	<i>D Sullivan</i>	Date Considered	6/3/03
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		Filing Date	November 21, 2001
		First Named Inventor	Scott A. LESLEY
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Sheet 2 of 3	Attorney Docket Number	P0012US20	

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Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
DS	AM	BRONSTEIN et al., "Chemiluminescent and Bioluminescent Reporter Gene Assays," Analytical Biochemistry 219: 189-181, 1994.	
DS	AN	DAVEY et al., "Chloramphenicol Acetyl Transferase Assay," Methods In Molecular Biology 49: 143-148, 1995.	
DS	AO	HANNIG et al., "Strategies for optimizing heterologous protein expression in Escherichia coli," TIBTECH 16: 54-60, 1998.	
DS	AP	HERMONAT et al., "Use of adeno-associated virus as a mammalian DNA cloning vector: Transduction of neomycin resistance into mammalian tissue culture cells," Proc. Natl. Acad. Sci. USA 81: 8466-8470, 1984.	
DS	AQ	HIMES et al., "Assays for transcriptional activity based on the luciferase reporter gene," Methods In Molecular Biology 130: 165-174, 2000.	
DS	AR	KARLIN et al., "Methods for assessing the statistical significance of molecular sequence features by using general scoring schemes," Proc. Natl. Acad. Sci. USA 87: 2264-2268, 1990.	
DS	AS	LEBKOWSKI et al., "Adeno-associated virus: a vector system for efficient introduction and integration of DNA into a variety of mammalian cell types," Molecular and Cellular Biology 8: 3988-3998, 1988.	
DS	AT	LIBEREK et al., "Autoregulation of the Escherichia coli heat shock response by the DnaK and DnaJ heat shock proteins," Proc. Natl. Acad. Sci. USA 90: 11019-11023, 1993.	
DS	AU	LINDQUIST, "The heat-shock response," Ann. Rev. Biochem. 55: 1151-1191, 1986.	
DS	AV	Maxwell, "A simple in vivo assay for increased protein solubility," Protein Science 8: 1908-1911, 1999.	
DS	AW	McCarty et al., "Regulatory region C of the E. coli heat shock transcription factor, σ^{32} , constitutes a DnaK binding site and is conserved among eubacteria," J. Mol. Biol. 256: 829-837, 1996.	

Examiner Signature	<i>D Sullivan</i>	Date Considered	6/3/03
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